Storm Data and Unusual Weather Phenomena - October 2011

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details

NEBRASKA, East

NEMAHA COUNTY --- 2.7 N PERU [40.52, -95.73], 2.1 NNE NEMAHA [40.36, -95.65], 1.6 SSW NEMAHA [40.31, -95.68], 7.6 SE NEMAHA [40.26, -95.56], 7.1 ESE NEMAHA [40.30, -95.54]

	10/01/11 00:00 CST	4K	Flood (due to Heavy Rain)
	10/03/11 13:00 CST	0	Source: Official NWS Observations

Flooding along the Missouri River finally came to end in Nemaha county in early October as continued decreases in releases from Gavins Point Dam allowed the river at Brownville to fall below its 33 foot flood stage. Earlier in the Summer the river reached a record crest of around 45 feet. At the peak of the flooding Highway 136 in Missouri, and the access road to a nuclear power plant were under water along with recreation areas and farmland along the river. The flooding of Highway 136 prompted the closure of the Brownville, Nebraska bridge over the Missouri River. Over 8,000 acres were covered in flood waters during the peak of the flooding in early summer.

RICHARDSON COUNTY --- 2.8 N BARADA [40.26, -95.58], 6.1 NE (FNB)BRENER FLD FALL [40.13, -95.49], 1.2 S RULO [40.03, -95.43], 7.9 ESE RULO [40.00, -95.29], 6.0 ENE BARADA [40.26, -95.48]

	10/01/11 00:00 CST	4K	Flood (due to Heavy Rain)
	10/02/11 17:15 CST	0	Source: Official NWS Observations

Flooding along the Missouri River in Richardson county finally ended in early October as decreasing releases from Gavins Point Dam allowed the river to drop below its 17 foot at Rulo. Earlier in the summer the river at Rulo rose to a record crest of around 27 feet by the end of the June. At the height of the flooding, farmland along the river was flooded, along with roads, cabins, recreation areas and a few businesses. Highway 159 in Holt county Missouri flooded by the middle of the June prompting the closure of the Rulo, Nebraska bridge over the Missouri River for the summer.

A record rain event in May in eastern Montana, other storms in April and May in the upper Missouri River basin and snow melt from a much above normal snow pack all combined to bring record high water levels to the Missouri River chain of reservoirs by late spring. Then residual snow melt and additional rains caused a record 13.8 million and 10.0 million acre feet of runoff above Sioux City during June and July respectively. All of this helped contribute and sustain record releases from the Missouri River Reservoirs from mid June into early August. Releases from Gavins Point Dam, which is the last in the chain, reached around 160,000 cfs by the middle of June and remained that high into early August before dropping to around 90,000 cfs by the end of that month. The releases were then held steady for several weeks in early September to help avoid sloughing of water-logged levees, but releases finally decreased enough by early October to allow river levels to fall below flood stage at all Nebraska points along the river.